

Technical Data Sheet (TDS)

Product Name: Open Gear Grease for Heavy Duty

Product Code: SCL-03

Revision Date: 2024-09-27

1. Product Overview

This high-performance open gear grease is designed for the lubrication of large, heavily loaded open gears commonly found in industrial applications such as mining, cement, and steel production. The formulation is similar to premium products from German manufacturer FUCHS, providing exceptional adhesion, wear protection, and load-carrying capacity.

2. Typical Properties

Property	Typical Value
Appearance	Black, tacky grease
Base Oil Type	Mineral / Synthetic Blend
Thickener Type	Aluminum Complex
NLGI Grade	0 / 1
Worked Penetration (60 strokes)	310-340 mm/10
Dropping Point	>220°C
Operating Temperature Range	-20°C to +180°C
Four Ball Weld Load	≥400 kg
Water Resistance	Excellent
Adhesion	Very Strong
Solid Lubricant Content	Graphite and MoS ₂

3. Applications

- Open gears in rotary kilns, ball mills, and dryers
- Large diameter slew bearings and racks
- Equipment exposed to high shock loads and outdoor environments

4. Advantages

- Outstanding wear and load protection
- Excellent adhesion to metal surfaces
- Contains solid lubricants for emergency protection
- Resists water washout and weathering
- Reduces noise and vibration in heavily loaded gear systems

5. Packaging

Available in 18kg pails, 50kg kegs, and 180kg drums.